

PROCESS FOR MANUFACTURE OF BLOCKED MERCAPTOSILANE
COUPLING AGENTS

ABSTRACT OF THE DISCLOSURE

Blocked mercaptosilanes can be manufactured by reacting mercaptosilanes with organic or inorganic halides or anhydrides in the presence of an acid acceptor and washing the resulting reaction product with water/brine to yield two immiscible phases: an organic phase containing blocked mercaptosilane product and an aqueous phase containing the salt of the acid acceptor. Recycle of the acid acceptor is achieved by adding base to the aqueous phase. The process is suitable to be run in either batch or continuous mode. The blocked mercaptosilane compounds are used as coupling agents in rubber mixtures.